FUJITSU

FUJITSU THERMAL PRINTER
FP-1000

Fujitsu Standalone Thermal Printer, *FP-1000*, achieves high reliability and good cost-efficiency for POS system Receipt printing and Order printing in commercial kitchens.

- High speed 180mm/s & High throughput
- High reliability mechanism
- Small footprint
- Cost saving mode
- Kitchen printer functions
- Horizontal & Vertical Use
- Built-in Power supply model available
- Easy-to-use Installer & Utility
- Fujitsu Super Green Product & RoHS compliance

shaping tomorrow with you

FUJITSU FP-1000 Specifications

Printing Technology			Direct Line Thermal Method				
Print Resolution			8 dot/mm (0.125mm/dot) 203dpi				
Printing Speed			Maximum 180mm/s (Monochrome only)				
Paper Feed-out Direction			Top feed out				
Cutter Method			Partial cut				
Installation Direction			Two ways (Horizontal / Vertical) *1				
Paper	Paper width		80mm, 58mm,				
	Outer Diameter of Roll Paper		Φ83mm Maximum				
	Paper Thickness		65µm - 85µm				
Maximum Print With	58mm with paper		48mm (384dots) or 52.5mm (420dots)				
	80mm with paper		64mm (512dots) or 72mm (576dots)				
Font size and Column			203dpi(Normal Mode)			Approx. 180dpi (EXtended Mode)	
			Font A (Column)	Font B (Column)	Font C (Column)	Font A (Column)	Font B (Column)
	Paper with 58mm	Body Face	12x24 (32 or 35)	10x24 (38 or 42) 9 x24 (42 or 46)	8x16 (48 or 52)	12x24 (32 or 35)	10x24 (38 or 42) 9 x24 (42 or 46)
		Letter Face	11x22 (32 or 35)	9 x17 (38 or 42) 9 x17 (42 or 46)	8x13 (48 or 52)	12x24 (32 or 35)	9 x22 (38 or 42) 9 x22 (42 or 46)
	Paper with 80mm	Body Face	12x24 (42 or 48)	10x24 (51 or 57) 9 x24 (56 or 64)	8x16 (64 or 72)	12x24 (42 or 48)	10x24 (51 or 57) 9 x24 (56 or 64)
		Letter Face	11x22 (42 or 48)	9 x17 (51 or 57) 9 x17 (56 or 64)	8x13 (64 or 72)	12x24 (42 or 48)	9 x22 (51 or 57) 9 x22 (56 or 64)
Character Sets			ANK(95 char.), International Character(48 char.), Enlarged Graphics(128 char. x 20 pages), Download Character(95 char.),				
Barcode	Barcode		UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), CODE39, ITF, CODABAR(NW-7), CODE93, CODE128				
	Two dimensional code		QR code				
Receive Buffer			Max. 4KB				
Logo Store Memory			Max. 576KB				
Paper Near End & Paper End			Available				
Internal Buzzer			Available to notice errors and printer status				
Interface	Dual (RS232C+USB)		RS232C Serial + USB(2.0 Full-speed)				
	LAN		Wired, 10BASE-T/100BASE-TX				
Software Interface			ESC/POS emulation				
Drawer Interface			2 Drawers Controllable				
Software	Printer Driver	Windows	Windows driver	Windows Server® 2008 R2, Windows® 7, Windows Server® 2008, Windows Vista®, Windows Server® 2003, Windows® XP, Windows® 2000 Windows Embedded for Point of Service (WEPOS)			
			OPOS driver (Ver.1.13)				
			JavaPOS driver (Ver.1.10) *3				
		Linux	JavaPOS driver (Ver.1.10) *3	Linux SuSE9.3			
	Printer Utility		Software to set the printer's setup items				
	LAN Utility		Quick Setup PR-PortManager(Popup Status Monitor) Admin Manager(Printer Status Monitor, System Status Monitor, IP Address Setup)				

RELIABILITY	MCBF(Mean-cycle-between-failure)	60million Lines *2
	Print Head	100km *2
	Cutter Life	1.5 million times of partial cut (Recommended Normal paper use) *2

Power Requirements	DC Input: +24VDC±10% AC Input: 100 - 240V, 50/60Hz, Single Phase
Power Consumption	During standby Dual Interface:3W or less, LAN Interface:4.5W or less Average during operating 38W or less, Maximum 150W or less
Ambient Temperature	Operation guarantee: 0 °C to 40°C Print quality guarantee: 5 °C to 35°C
Relative Humidity	Operation guarantee: 10 % RH to 95% RH Print quality guarantee: 10 % RH to 85% RH
Dimensions	- Standard Model: 144(W)x184(D)x120(H)mm, 5.7(W)x7.2(D)x4.7(H) inch - Built-in Power Supply model: 144(W)x184(D)x165(H)mm, 5.7(W)x7.2(D)x6.5(H) inch
Weight (without the packing box)	Standard Model: 1.2kg, Built-in Power Supply model: 1.7kg
Cover Color	Black & White
Option	Splash-proof cover, Wall hanging bracket

*1 When using printer vertically, connectors of AC cable and Interface cable should be under the printer case. (The connector of AC Cable should be "Angled" shape.)

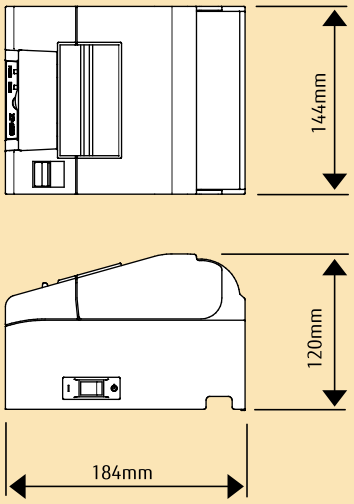
*2 Operation condition is under 500 transactions/day(1transaction=25LF + 1cut), 340days/year, print duty less than 9%, and the life of Head or Cutter with using specified paper by our company. If unspecified paper is used, the life of printer might be shortened than expected. Also, it might cause trouble for the printer.

*3 JavaPOS Driver supports RS232C Interface and USB Interface

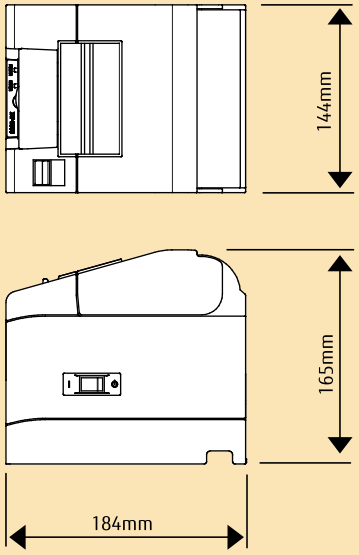
All specifications are subject to change without notice.

Dimensions

Standard Model



Built-in Power Supply Model



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FIT February 2011, Rev.01

POS

Coupon

Fiscal

Kitchen

Kiosk

Gaming & Lottery

Basic Performance

High Speed print 180mm/s

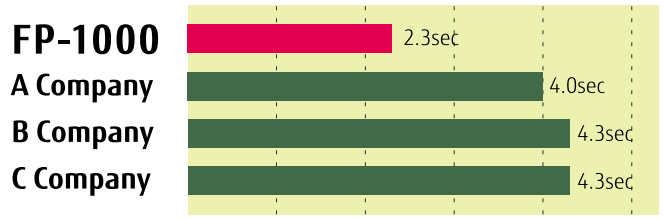
Printing speed of FP-1000 is the highest in its price range.
This is achieved through our advanced mechanical design technology.

Throughput Enhancement

Optimum driver/firmware technology and High speed paper feed mechanism enhances the throughput.
This enables customers not to waste time.

Comparison of throughput with other companies.

(Time from the start of data transfer to the completion of print)



Print condition: Windows XP,USB Interface,
150mm Receipt length with our test pattern

High Reliability Mechanism

FP-1000 passes the severe quality assurance tests, and ensures longevity with consistent print quality. The reliability is proven by the achievement of ISO9001.

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Auto Cutter Life	**1.5 million cuts**
Thermal Head Life	**100km**
Printer (MCBF)	**60million lines**

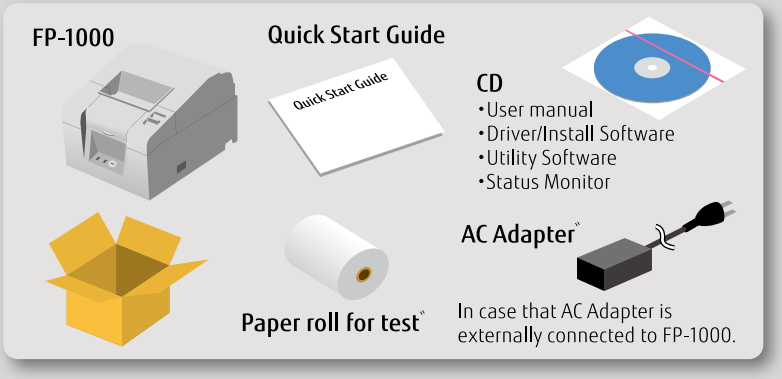
Auto Cutter

Auto cutter is included as a standard feature in the FP-1000, The cutting method is partial cut, where the center tab of paper is connected to the next page. This paper tab is small, and it does not spoil the look even after tearing the paper.

Simple Setup right out of the box

Setup is simple and easy. Just drop in a roll of paper, connect the cable and install the software in the SETUP DISK.

■Accessories in the box



■Connect cables

Connect the interface cable and AC adapter.

■Switch on

Switch on the printer power.

■Drop-in Paper set

Just throw the paper inside the printer, and close the lid. Paper feeding route is opened, and it makes the maintenance easy.

■Driver/Software Installation

Windows Driver, OPOS Driver and Utility Software can be easily installed. Just follow the user guide in original Installer.
IP address setting in Network environment can be quickly and easily setup with standard LAN setup tool.

Print

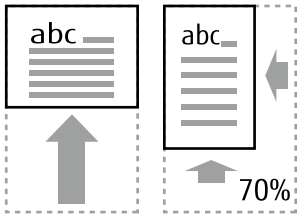
Various Functions

Running cost can be saved.

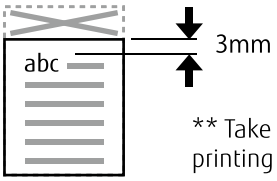
Reduced print function of Windows Driver and Top Margin reduced function save your paper. Running cost and environmental load can be reduced.

Reduced printing

- 1/4 reduced vertically
- 1/2 reduced vertically
- 80mm width paper
  →convert to 58mm



Top Margin 3mm



** Take off each receipt every time after printing in case of 3mm setting.

Kitchen Printer Functions

FP-1000 has various functions for Commercial Kitchens.
Order receipts can be printed for Ordering systems.

Buzzer beeps when receipt printed.

Buzzer is a standard equipment for the notice of order receipt printed. Various functions like Buzzer On/Off and 5 patterns of beep sound suite versatile restaurant environment.

Ex. You can select different sound patterns for Foods and beverages.

180 degree rotation print

180 degree rotation print by Windows Driver is available. You don't need to turn the paper up side down when you use the printer vertically.

Splash-proof option

When the printer is set on the Kitchen counter, Printer can be set vertically with using optional Splash-proof cover.

Wall-hanging option

With using Wall hanging bracket, you can set the printer on the wall for saving space in the kitchen.

Barcode / 2-Dimension code

FP-1000 supports Barcodes and 2-Dimension codes (QR code).

Large Logo Store Memory

Image data can be stored up to 576KB.
You can store several Logo data.

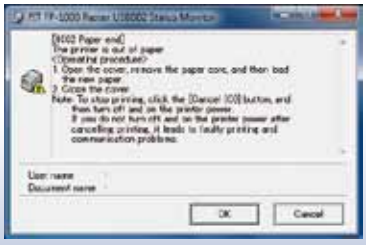
Versatile Utility

Printer Setup Utility

The original tool ensures easy setup changes like fonts, Baudrate and others.

Status Monitor to notice errors

Any errors like paper out can be notified at once by pop-up notice.



Utility for LAN Interface

The original tools for network environment are well-supported with using Quick Setup to set IP address,PR-Port Manager, Admin Manager and Popup Status Monitor for LAN. Also, setup from Web Browser is available.

Small Footprint

Compact

FP-1000 achieves the compact outline W144xD184xH120mm.
** In case of AC Adapter externally connected. This contributes the small shop which has a limited space for installation. (-13% compared to our company models, the smallest among the same class printers.)

Easy to store Interface Connector

FP-1000 has a recess to store Interface Connector under the case.
This eliminates the space requirement. It is designed not to protrude from the backside view of the printer.

Built-in Power Supply

Built-in Power Supply model is also available.

Depending on the installation space, various selection is available.

Flexibility

Horizontal/Vertical Use

Depending on using environment, FP-1000 can be set horizontally or vertically. When using it vertically, printing direction can be rotated 180 Degrees. Paper near end can be detected for both horizontal and vertical settings.

Versatile font size like 180dpi emulation size

3 types of Font size such as Font A, B, and C are available.
Also, you can flexibly set the font like Extended font with approximately 180dpi size, and select Pitch and Space between characters. (using OPOS Driver)

Enhanced Drivers

FP-1000 supports Windows® Drivers, OPOS Drivers and JavaPOS™ Drivers.

Interface

FP-1000 has two models; Dual (RS232C Serial + USB) Interface and LAN Interface.

Various paper available to print

FP-1000 enables you to choose various kinds of paper;
Print Width 58mm/80mm, Maximum outside diameter φ83mm, Paper thickness 65μm～85μm.

Low-impact to Environment

Super Green Product

FP-1000 passes our own severe environmental standard, and it is called "Super Green Product". The use of Recyclable material, Material Label attachment and Downsizing supports the environment.

Green Policy Innovation | SUPER Green Product
This product has the top-level environmental factor in the comparison with our previous product or product in market.

Super green product is the product which complies with Fujitsu group original severe environmental standard

Not containing Hazardous Substances

In addition to RoHS directives in Europe, FP-1000 complies our own strict standard of Prohibited substance standard.

Energy Saving

FP-1000 complies with the New Energy Star Program. (Built-in Power Supply Model)